

hydrolyzing the fluorine compound to convert the fluorine of the fluorine compound to hydrogen fluoride.

Sub C1
--25. A process according to claim 24, wherein the catalyst contains at least composite oxides of aluminum and nickel.

--26. A process according to claim 24, wherein the catalyst is prepared by using boehmite as a raw material for aluminum.

B1
--27. A process according to claim 24, wherein the catalyst is a mixture containing at least alumina and nickel oxide or a mixture containing at least alumina, nickel oxide and composite oxides of aluminum and nickel, an atomic ratio of aluminum to nickel in the catalyst being 50 to 99 : 50 to 1.

--28. A process according to claim 24, wherein the fluorine compound is at least one member selected from the group consisting of CF_4 , C_2F_6 , C_3F_8 , C_4F_8 , C_5F_8 , CHF_3 , CH_2F_2 , CH_3F , C_2HF_5 , $C_2H_2F_4$, $C_2H_3F_3$, $C_2H_4F_2$, C_2H_5F and CH_2OCF_2 .

--29. A process according to claim 24, wherein the catalyst further comprises zinc as a metallic component.

--30. A process according to claim 29, wherein the catalyst is a mixture containing at least alumina, nickel oxide and zinc oxide, or a mixture containing at least alumina, nickel oxide, zinc oxide, composite oxides of aluminum and nickel, and composite oxides of aluminum and zinc.